

ZS4-S-T Screw Clamp Terminal Block

Disconnect

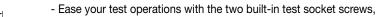


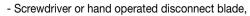


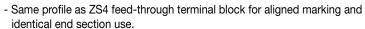
4 mm² *10 AWG*

5.2 mm *0.205 in* Spacing

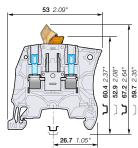
Features and Benefits











3D CAD outline drawings available on "Control Product 3D" portal

Ordering Details	Туре	Order Code	EAN Code	Pack ^(ing)	Weight g (1 pce)
Grey	ZS4-S-T2	1SNK 505 311 R0000	3472595053117	50	8.90
Grey	ZS4-S-T2.3	1SNK 505 312 R0000	3472595053124	50	8.80
Blue	ZS4-S-T2-BL	1SNK 505 321 R0000	3472595053216	50	8.90
Orange	ZS4-S-T2-OR	1SNK 505 331 R0000	3472595053315	50	8.90

Declarations and	l Certificates	Document Part Number			
C€ CE	UE Directive	1SND 225 099 C1001			
RoHS	RoHS	1SND 230 491 F0203			



General Information						
The following information mus-	t be strictly adhered	to in order to g	uarantee the term	inal block electric	cal, mechanical and envi	ronmental performand
Protection		IP 20	NEMA 1			
Rail	T	DIN3-TH3	5			
Wire stripping length		10.5 mm	0.413 in			
		Screw clam	np	Screw rail co		
		Flat screwdriver		,		
Operating tool	\oslash	3.5 mm	0.138 in			
Torque		0.6 Nm ± 0.1 Nm	5.31 lb.in ± 0.885 lb.in	± 0.1 Nm	± 0.885 lb.in	
Mechanical endurance of disconnect system			'			,
Material Specification	IS				,	
Insulating material					Polyamide	
IRC					600 V	
Flammability				UL94	V 0	
	_				12F2	
		Needle	flame test IEC	60695-11-5	Compliant	
Connecting capacity	per clamp					
1 Rigid conductor				0.2-4 mm²		24-10 AWG
1 Flexible conductor with	out ferrule			0.22-4 mm ²		24-10 AWG
1 Flexible conductor with	ferrule			0.22-4 mm ²		24-12 AWG
Ferrule maximum outer di	ameter		∭Ø Max.	4.7 mm <i>O</i>	.185 in	
Multi Connecting cap	acity per clam	р				
2 Rigid conductors				0.2-1 mm ²		24-18 AWG
2 Flexible conductors with			0.22-1 mm ²		24-18 AWG	
2 Flexible conductors with	n twin ferrule			0.22-1.5 mm ²		24-16/24-18 AWG
Don't mix solid and flexible Don't mix solid or flexible			-	lamp		
The "Connecting capacity					S-3	
Cross section		<u> </u>				
Rated cross section				4 mm²		10 AWG
Maximum Cross section		Manufac		4 mm²	Manufacturer data	10 AWG
Gauge	A3-B3 / 3 mn					1,0,1,1,0
Electrical characterist	tics					
Current						
Rated current					IEC 60947-7-1	25 A
	Field a	nd factory wi	iring Cat.2		UL 1059	25 A
	Factor	y wiring Cat.	1	<u> </u>	UL 1059	25 A
					CSA-C-22.2 n° 158	
Rated short-time withstan	•	v)			N 4	480 A
Short-time withstand curr	ent <u>0.5 s</u> 5 s				Manufacturer data	
				Manufacturer data Manufacturer data		
				Manufacturer data		
				Manufacturer data		
Rated short circuit withsta	1 mn and				CSA-C-22.2 n° 158	
Max. current (45° tempera		Лах. cross se	ection (mm²)		Manufacturer data	25 A 4 mm ²
Maximum short circuit cu			· · ·		Manufacturer data	480 A



Short Circuit Current Rating		59 supplement		SCCR UL 1059	
With the following configurations:					
	Maximum voltage				
	Suitable conduct	or wire range			
	Fuse rating				
	Fuse designation				
	Fuse manufacture	er name			
	Fuse type				
	Short circuit curre	ent			
Voltage					
Rated voltage			IEC 60947-1	400 V	
Rated voltage			UL 1059	150 V	
Use Group	-		UL 1059) C	
Rated voltage	-		CSA-C-22.2 n° 158	3 150 V	
Rated voltage Ex e			IEC/EN 60079-11		
Rated impulse withstand voltage				6000 V	
Dielectric test voltage				1890 V	
Pollution degree IEC 60947-1					
Overvoltage category IEC 60947-1					
Dissipated power					
Maximum dissipated power at rat	ed current		IF	C 0.8 W	
				5 0.0 1 1	
Rated power dissipation at a	in ambient tempe	erature of 23 °C - IE	:C 60947-7-3		
Overload and short-		0			
Separ	ate arrangement				
Exclusive short-	circuit protection	6			
	ate arrangement	1 fuse and 4 f			
Overload and short-		lĥ.			
Сотро	und arrangement	<u> </u>			
Exclusive short-	circuit protection	[6			
Compo	und arrangement	5 fu			
Temperature range				<u> </u>	
Ambient temperature min/max	Storage		-55 +110 °C -6	67 +230 F	
Ambient temperature mill/max	Installing			23 +104 F	
	Service	IEC 60068-2-1		67 +230 F	
	301 1100	EN 60079-7		12001	

Current Derating curve for continuous service temperature



Environmental Characte	ristics			
Additional climatic tests				
Dry heat		IEC 60068-2-2	Complia	nt
	Conditions	Temperature	+100 °C	
		Duration of test	96 h	
Cyclic damp heat				nt
	Conditions	Temperature	+55 °C	
		Number of cycles	2	
Cold		IEC 60068-2-1	Complia	nt
	Conditions	Temperature	-40 °C	
		Duration of test	96 h	
Z /ABDM climatic sequence		IEC 60068-2-61	Complia	nt
	Conditions	Dry heat Duration of test / Temperature	16 h	+85 °C
		Cyclic damp heat Number of cycles / Temperature	1	+55 °C
		Cold Duration of test / Temperature	2 h	-25 °C
Corrosion				
Salt mist		IEC 60068-2-11	Complia	nt
	Conditions	Duration of test	•	
		Concentration	5 %	
SO2		ISO 6988	Compliant	
	Conditions	Duration of test	48 h 0.2 dm ³	
		Concentration		
Sulfur dioxide		IEC 60068-2-42		
	Conditions	Duration of test		
Hydrogen sulfur		IEC 60068-2-43		
, ,	Conditions	Duration of test		
Flowing mixed gas corrosion	test	IEC 60068-2-60		
Conditions		Number of the test method		
		Duration of test		
Vibrations			·	
Vibrations		IEC 60068-2-6	Complia	nt
	Conditions	Frequency range	10-55 Hz	
		Number of cycles	10	
		Amplitude		
		Acceleration	10 m/s ²	
Ramdom vibrations and climatic sequence		IEC 60068-2-64		
	Conditions	Duration of test		
		Frequency range		
		Acceleration		
		Climatic cycles		
		Step 1 -> Temperature / Duration of test		
		Step 2 -> Temperature / Duration of test		
		Temperature variation per minute		



ZS	ZS4-S-T Terminal Block Accessories Compatibility								
	Description	Туре	Order Code	Pack ^(ing)	Weight	Technical Datasheet			
				pieces	g (1 pce)	PDF			
1	End Stops	ВАМ3	1SNK 900 001 R0000	50	13.80	1SNK 160 026 D0201			
2	End Sections	ES4	1SNK 505 910 R0000	20	2.18	1SNK 160 022 D0201			
3	Circuit Separators	CS-R1	1SNK 900 103 R0000	20	5.20	1SNK 160 018 D0201			
4	Test Plugs	FC2.MC	1SNA 107 239 R0300	10	1.00	1SNK 160 036 D0201			
5	Shield Connectors	SHBS	1SNK 900 600 R0000	20	3.50	1SNK 160 025 D0201			
6	Protecting Covers	СО	1SNK 900 604 R0000	1	300.00	1SNK 160 020 D0201			
		PL5	1SNK 900 618 R0000	20	1.50	1SNK 160 021 D0201			
7	Protecting Cover Kits	ксо	1SNK 900 624 R0000	1	47,8	1SNK 160 028 D0201			
8	Tools	PS-3	1SNK 900 650 R0000	1	380.00	1SNK 160 024 D0201			
9	Terminal Block Markers	MC512	1SNK 140 000 R0000	22	0.06	1SNK 160 003 D0201			
		PROCAP5	1SNK 900 609 R0000	20	0.70	1SNK 160 013 D0201			
		UMH	1SNK 900 611 R0000	10	0.20	1SNK 160 001 D0201			
		SAT5	1SNK 900 614 R0000	5	6.00	1SNK 160 013 D0201			

